Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/06/2019 12:29 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124197	-1	1.27	124256	1.26
Blue	F	SSC	125000	124318	-1	1.55	125152	1.50
Blue	E	FITC	16122	15758	-3	2.65	344	19.68
Blue	D	PE	29316	28804	-2	1.86	627	14.39
Blue	B	PerCP-Cy5-5	42590	42021	-2	3.57	1133	19.73
Blue	A	PE-Cy7	33146	32948	-1	5.92	625	40.04
Red	C	APC	45473	45083	-1	2.41	1592	11.70
Red	A	APC-Cy7	31961	31124	-3	2.31	825	12.05
Violet	B	V450	7914	7575	-5	4.34	437	13.10
Violet	A	V500	29769	28582	-4	4.16	668	10.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21037	2.81	602	2	N/A	N/A	Pass
Blue	F	SSC	56511	1.11	544	6	N/A	N/A	Pass
Blue	E	FITC	62	65.09	537	0	0.0215	193	Pass
Blue	D	PE	130	49.99	539	2	0.1828	321	Pass
Blue	B	PerCP-Cy5-5	207	50.15	641	3	0.0098	110	Pass
Blue	A	PE-Cy7	117	98.20	695	4	0.0114	13	Pass
Red	C	APC	378	25.34	585	6	0.0275	268	Pass
Red	A	APC-Cy7	183	29.07	561	5	0.0055	1105	Pass
Violet	B	V450	73	55.60	459	-1	0.0534	2413	Pass
Violet	A	V500	101	37.07	471	-1	0.0228	1348	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.16	-31.73	1.02
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.12	13.60 - 20.40	N/A	N/A	29.34	29.75	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10360

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments